Project Summary – *3rd Street Treatment Project*

Project Description

The City of Marysville is proposing to design the *3rd Street Treatment Project* in order to provide water quality treatment to stormwater runoff from the existing roadway and surrounding impervious areas. There is currently no formal stormwater treatment in place along 3rd Street. The City's 3rd Street runs through historic downtown and serves as a gateway to the City. The installation of innovative and visible best management practices (BMPs) in this area will not only improve water quality but will also serve as an educational tool for citizens regarding the use of low impact development (LID) and the need for water quality treatment of runoff water. The City's 3rd Street is also identified in the City's *Downtown Master Plan* as having significant importance to drive downtown redevelopment.

Project Location

The proposed Project will be located within the City of Marysville along 3rd Street, from Columbia Avenue and to Union Avenue. All improvements will take place within existing right-of-way. The proposed project will encompass approximate 2.42 acres which is currently composed of roadway and sidewalks. Please see the attached map for a more detailed view. The project is located within a section of the City where the underlying soil is well infiltrating sand. The groundwater table is estimated at approximately 12-feet below ground surface based on data from a recent, nearby project. With such conditions, the project is a likely candidate to implement a variety of LID improvements.

Best Management Practices

LID BMPs are proposed to be utilized in the Project design. The existing roadway section is significantly wider than required for its purpose. It is envisioned that existing impermeable surfaces, such as portions of existing sidewalks, parking strips or bicycle lane, will be converted to permeable pavement. The City anticipates constructing a median, which may serve as a bioretention cell or rain garden. The City also anticipates extending the curb ramps within the intersection. Within these curb ramps, the City may also consider approved stormwater treatment technologies. By narrowing the roadway, converting existing impervious surfaces and repurposing existing uses along 3rd Street, the City opens up the drainage basin to a multitude of options. During the design phase, other Ecology approved technologies will be reviewed to determine the best method to control and treat stormwater along 3rd Street.

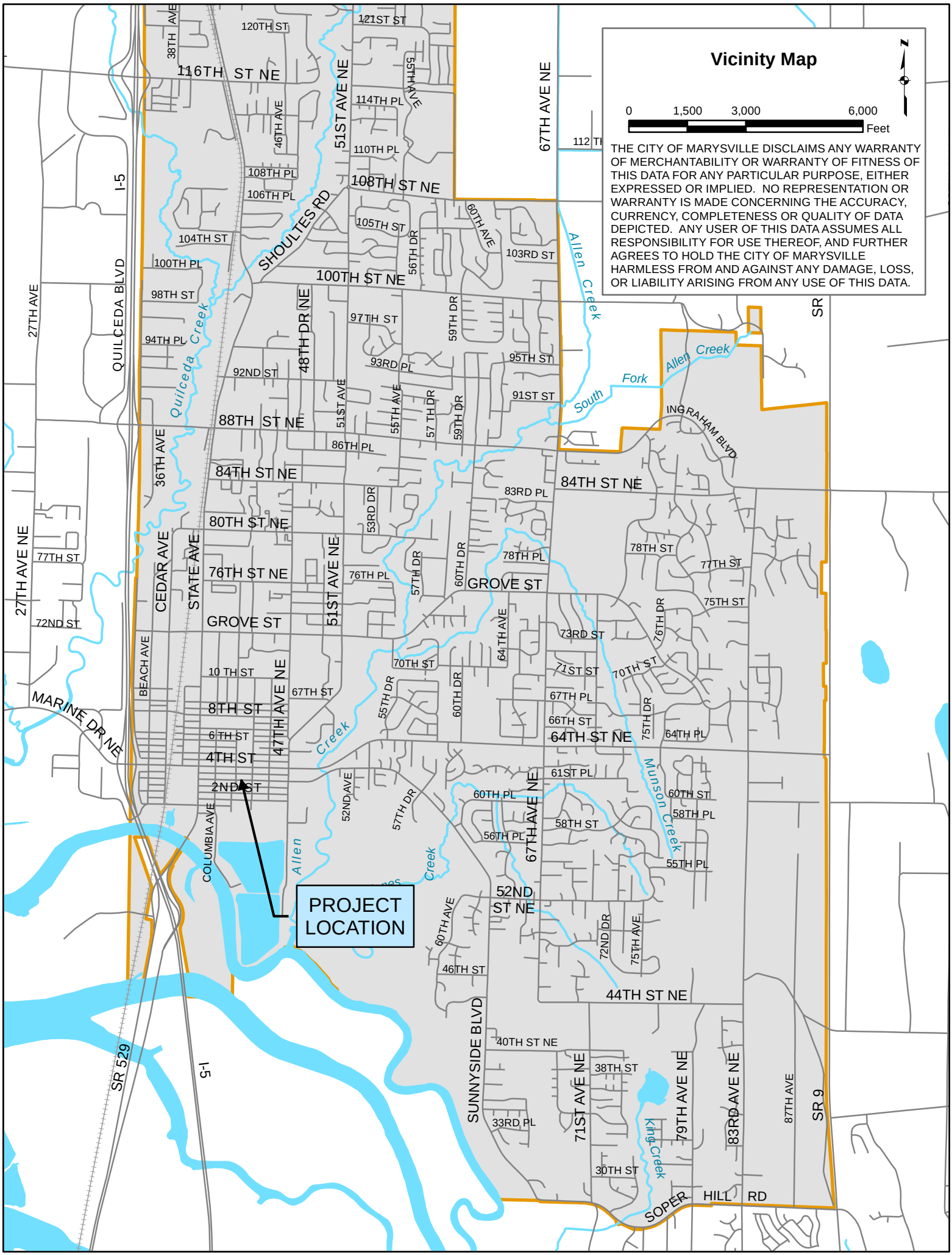
Design Manual

Through the requirements set forth in the Marysville Municipal Code, the project will be designed using the 2005 Department of Ecology Stormwater Management Manual. The guidance in the 2012 Low Impact Development technical Guidance Manual for Puget Sound will also be referenced during the Project design. The City of Marysville intends to enter into contract with a design consultant to support the City in the design of the Project.

Water Quality

The City of Marysville's 3rd Street is part of a large stormwater conveyance basin that outfalls to directly to Ebey Slough. Ebey Slough is listed in the Ecology 303(d) list as an impaired waterbody for fecal coliform, while streams contributing to it, like Allen and Quilceda Creek, are listed on the 303(d) list as impaired waterbodies for dissolved oxygen and pH.

It is expected that the BMPs designed through the *3rd Street Treatment Project* will provide water quality treatment for portions of a stormwater basin that currently receives no treatment. Ebey Slough is considered a flow control-exempt waterbody in the 2005 Department of Ecology Stormwater Management Manual; therefore no stormwater detention is expected to be required as part of this design.


Vicinity Map
N
0
1,500
3,000
6,000
Feet
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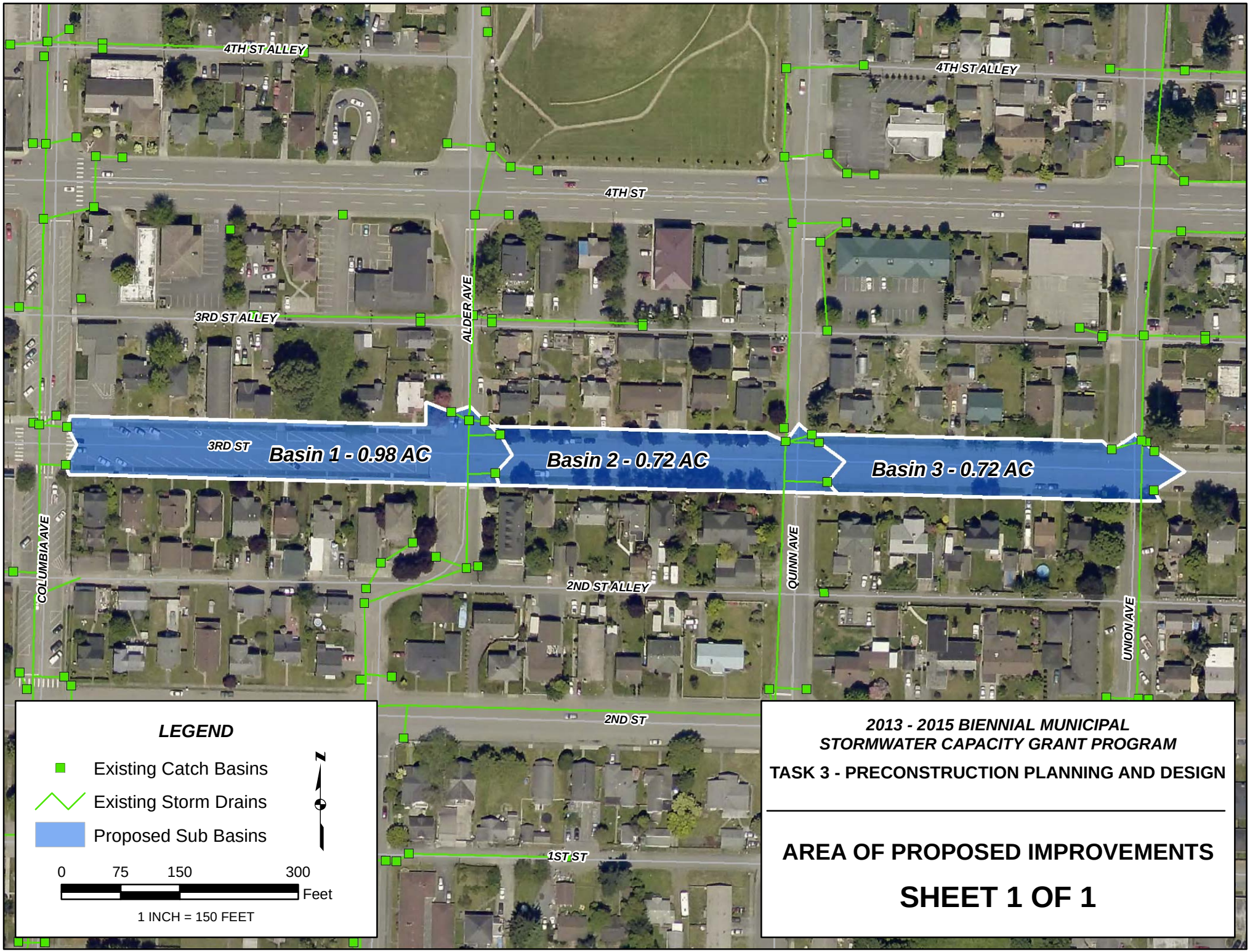
PROJECT LOCATION
116TH ST NE
108TH ST NE
100TH ST NE
88TH ST NE
84TH ST NE
80TH ST NE
76TH ST NE
GROVE ST
64TH ST NE
52ND ST NE
44TH ST NE
SHOULTES RD
SUNNYSIDE BLVD
SOPER HILL RD
I-5
SR 529
SR 9
SR
67TH AVE NE
51ST AVE NE
47TH AVE NE
48TH DR NE
27TH AVE NE
QUILCEDA BLVD
CEDAR AVE
STATE AVE
MARINE DR NE
ING RAHAM BLVD
Allen Creek
South Fork
Quilceda Creek
Munson Creek
King Creek


4TH ST ALLEY
4TH ST ALLEY
4TH ST
3RD ST ALLEY
ALDER AVE
3RD ST
Basin 1 - 0.98 AC
Basin 2 - 0.72 AC
Basin 3 - 0.72 AC
COLUMBIA AVE
2ND ST ALLEY
QUINN AVE
UNION AVE
2ND ST
1ST ST
LEGEND
Existing Catch Basins
Existing Storm Drains
Proposed Sub Basins
N
0
75
150
300
Feet
1 INCH = 150 FEET
2013 - 2015 BIENNIAL MUNICIPAL
STORMWATER CAPACITY GRANT PROGRAM
TASK 3 - PRECONSTRUCTION PLANNING AND DESIGN
AREA OF PROPOSED IMPROVEMENTS
SHEET 1 OF 1